

INTERNATIONAL SEARCH REPORT

International Application No

PC 03/00551

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H01L23/48 H01L23/051 H01L25/07

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 006, no. 055 (E-101), 10 April 1982 (1982-04-10) -& JP 56 167352 A (MITSUBISHI ELECTRIC CORP), 23 December 1981 (1981-12-23)	1-3
Y	abstract	4,5
X	EP 0 932 201 A (HITACHI LTD) 28 July 1999 (1999-07-28) column 10, line 31 - line 34 column 11, line 31 - line 52; figure 8 column 22, line 36 - line 50	1-3,10
Y	US 5 008 735 A (EDMOND JOHN A ET AL) 16 April 1991 (1991-04-16) column 2, line 63 - line 67 column 5, line 65 - column 6, line 40	4
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

14 November 2003

Date of mailing of the international search report

02/12/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 3 280 383 A (REIMER EMEIS) 18 October 1966 (1966-10-18) claims 9,13 ---	5
A	US 4 816 424 A (FUJITA ICHIRO ET AL) 28 March 1989 (1989-03-28) column 1, line 24 - line 32 column 2, line 40 - line 53 column 4, line 47 -column 5, line 22 ---	4
A	KRUSIN-ELBAUM L. ET AL: "ZrN Diffusion barrier in Aluminium Metallization Schemes" 2 November 1982 (1982-11-02) , ELSEVIER SEQUOIA , BOSTON, MA, U.S.A XP009005322 the whole document -----	4

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Information on patent family members

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